



何玄

助理研究员

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教育背景

2017 年 02 月~ 2019 年 01 月 台湾清华大学, 博士.

2013 年 06 月~ 2015 年 06 月 Amity University, 印度, 硕士.

2009 年 06 月~ 2011 年 06 月 德里大学, 印度, 硕士.

2005 年 12 月~ 2008 年 12 月 Kuvempu University, 印度, 学士.

工作经历

2019 年 04 月~ 至今 助理研究员, 上海交通大学, 中美物流研究院.

2019 年 09 月~ 2020 年 04 月 讲师 (博士后), 上海交通大学, 中美物流研究院.

2019 年 02 月~ 2019 年 08 月 兼职助理教授, 台湾清华大学.

2019 年 04 月~ 2019 年 08 月 科技部博士后研究员, 台湾.

2018 年 07 月~ 2018 年 08 月 台湾清华大学讲师.

2016 年 02 月~ 2017 年 02 月 台湾清华大学研究助理.

2012 年 01 月~ 2013 年 07 月 工程师, 欧创 (Altran) 咨询公司(Aricent), 诺基亚网络 (Nokia Networks), 芬兰.

研究方向

新兴技术管理、知识产权分析、工业沉浸式技术、工业 4.0、应用设计和开发、智能供应链和可持续发展.

科研项目

计划项目负责人：

1. Intelligent digital supply chain orchestration and sustainability, [中国博士后科学基金会 \(2019 年度博士后国际交流引进计划\)](#)，2019 年—2021 年，主持.

计划项目成员：

1. 虚拟实境在医疗应用上的探索, [长庚纪念医院 精神科系](#)，角色: 项目协调员和开发团队负责人, 项目负责人: 張瑞芬 特聘教授，2019 年—2021 年.

2. 智慧型优势比对, [华城电机股份有限公司](#)，角色: 概念和开发团队成员的初步证明, 项目负责人: 張瑞芬 特聘教授，2019 年—2020 年.

3. 智慧问答与对话技术专利说明书阅读及分析服务, [台湾资讯工业策进会](#)，角色: 项目团队成员, 项目负责人: 張瑞芬 特聘教授，2018 年.

4. OBM 国际品牌资产价创研究, [台湾经济研究院](#)，角色: 项目组组长, 项目负责人: 張力元 博士，2017 年.

5. 发展智能化智财布局主题探索-以非监督式机器学习方法为基, [科技部台湾](#)，角色: 项目成员, 项目负责人: 張瑞芬 特聘教授，2016 年-2018 年.

代表性论文专著

期刊论文 : (* 通讯作者)

1. Trappey, A. J.*, Trappey, C. V., Chang, C. M., Shih, X. Y., Govindarajan, U. H., Gupta, N., & Su, I. A. (2020). Behavioral Therapy for Phobias Using Immersive Virtual Reality Technology. [中國機械工程學刊第](#), 四十一卷第二期第 131~140 頁
2. Raut, R. D., Gotmare, A., Narkhede, B. E., Govindarajan, U. H.*, & Bokade, S. U. (2020). Enabling technologies for Industry 4.0 manufacturing and supply chain: concepts, current status, and adoption challenges. [IEEE Engineering Management Review](#) (Early Access, DOI: 10.1109/EMR.2020.2987884).
3. Trappey, A. J., Trappey, C. V., Govindarajan, U. H.*, & Sun, J. J. (2019). Patent Value Analysis Using Deep Learning Models - The Case of IoT Technology Mining for Manufacturing Industries. [IEEE Transactions on Engineering Management](#) (Early Access, DOI: 10.1109/TEM.2019.2957842).
4. Govindarajan, U. H., Trappey, A. J., & Trappey, C. V. (2019). Intelligent Collaborative Patent Mining Using Excessive Topic Generation. [Advanced Engineering Informatics](#), Vol. 42, pp. 100955.
5. Govindarajan, U. H.*, Sheu, D. D., & Mann, D. (2019). Review of Systematic Software Innovation Using TRIZ. [International Journal of Systematic Innovation](#), vol. 5, pp. 72-90, ISSN: 2077-7973.
6. Trappey, A. J., Trappey, C. V., Govindarajan, U. H.*, & Jhuang, A. C. (2018). Construction and Validation of an Ontology-based Technology Function Matrix: Text Mining of Cyber Physical System Patent Portfolios. [World Patent Information](#), vol. 55, pp. 19-24.
7. Govindarajan, U. H., Trappey, A. J., & Trappey, C. V. (2018). Immersive Technology for Human Centric Cyber Physical Systems in Complex Manufacturing Processes: A Comprehensive Overview of Global Patent Profile Using Collective Intelligence. [Complexity](#).

8. Trappey, A. J., Trappey, C. V., Govindarajan, U. H., Sun, J. J., & Chuang, A. C. (2016). A Review of Technology Standards and Patent Portfolios for Enabling Cyber-Physical Systems in Advanced Manufacturing. [IEEE Access](#), vol. 4, pp. 7356-7382.
9. Trappey, A. J., Trappey, C. V., Govindarajan, U. H., Chuang, A. C., & Sun, J. J. (2016). A Review of Essential Standards and Patent Landscapes for The Internet of Things: A Key Enabler for Industry 4.0. [Advanced Engineering Informatics](#), vol. 33, pp. 208-229.

会议论文 : (* 通讯作者)

1. Yao, M. J., Govindarajan, U. H.*, & Zhang, D. (2020). Augmented Interface Assisted Open-shelf FMCG Decision Support. In Proceedings of the [24th International Conference on Computer Supported Cooperative Work in Design, Dalian, China](#) [[录取通知书](#)].
2. Raut, R. D., Lee, C. H., Govindarajan, U. H.*, & Zhang, D. (2020). An Augmented Reality System for Waste Segregation Assistance. In Proceedings of the [24th International Conference on Computer Supported Cooperative Work in Design, Dalian, China](#) [[录取通知书](#)].
3. Trappey, A. J., Trappey, C. V., Govindarajan, U. H.*, Chang, C. M., Khera, N., & Kuo, R. T. (2020). A Treatment Outline for Driving Related Post-Traumatic Stress Disorder Using Virtual Reality Exposure Therapy. In Proceedings of the [24th International Conference on Computer Supported Cooperative Work in Design, Dalian, China](#) [[录取通知书](#)].
4. Narkhede, B., Raut, R.*, Narwane, V., Govindarajan, U. H., Siddavatam, I., & Samant, A. (2020). Cloud-Based Manufacturing Service Selection Based on Simulation Approaches. In Proceedings of the [24th International Conference on Computer Supported Cooperative Work in Design, Dalian, China](#) [[录取通知书](#)].
5. Raut, R., Priyadarshinee, P., Narkhede, B.*, & Govindarajan, U. H. (2020). Instrument Development for IoT Adoption. In Proceedings of the [24th International Conference on Computer Supported Cooperative Work in Design, Dalian, China](#) [[录取通知书](#)].

6. Trappey, A. J., Trappey, C. V., & Govindarajan, U. H.* (2019). Knowledge Extraction of RFQ Engineering Documents for Smart Manufacturing. In Proceedings of the [22nd International Conference on Advances in Materials & Processing Technologies](#), Taipei, Taiwan, China.
7. Hong, N. J., Govindarajan, U. H., & Trappey, A. J. (2019). Comprehensive Technology Function Product Matrix for Intelligent Chatbot Patent Mining. In Proceedings of the [2019 IEEE International Conference on Systems, Man, and Cybernetics](#), Bari, Italy.
8. Govindarajan, U. H.*, Trappey, A. J., & Trappey, C. V., (2019). 360° Technology as a Gateway for Immersive Psychotherapy Applications: An Intelligent Patent Mining Analysis. In Proceedings of the [15th International Conference on Data Science \(ICDATA\)](#), Nevada, USA.
9. Govindarajan, U. H.*, Trappey, A. J., Trappey, C. V., Yeh, L. C., & Bafila, A. S. (2018). Excessive Topic Generation: A Pre-processing Method for Collective Intelligence and Relationship Mining. In Proceedings of the [19th Asia Pacific Industrial Engineering & Management Systems Conference \(APIEMS\)](#), Hong Kong, China.
10. Trappey, A. J., Trappey, C. V., Govindarajan, U. H.*, & Sharma, A. (2018). Conversational Service Bot Specifications for Advanced Manufacturing Applications. In Proceedings of the [2018 IEEE International Conference on Advanced Manufacturing \(ICAM\)](#), Yunlin, Taiwan, China [[最佳论文奖](#)].
11. Govindarajan, U. H.*, Trappey, A. J., & Trappey, C. V. (2018). Topics and Trends in Industrial Internet of Things (IIoT)- A 10 Year Patent Data Outlook. In Proceedings of the [29th Annual Conference of the International Information Management Association \(IIMA\)](#), Texas, USA.
12. Trappey, A. J., Trappey, C. V., Govindarajan, U. H.*, & Sun, J. J. (2018). Patent Quality Estimation Using Machine Learning – An Industrial Internet of Things Empirical Study. In Proceedings of the [2018 International Symposium on Semiconductor Manufacturing Intelligence \(ISMI\)](#), Hsinchu, Taiwan, China. [[最佳论文奖入围](#)].

13. Trappey, A. J., Trappey, C. V., Govindarajan, U. H., & Gupta, A. (2017). OBM-centric Digital Marketing Development for High-tech Services – A Case Study. In Proceedings of the [8th International Conference on Internet Technologies & Society \(ITS\), Sydney, Australia.](#)
14. Govindarajan, U. H.*, Trappey, A. J., & Kumar, G. (2017). Latent Dirichlet Allocation modeling for CPS Patent Topic Discovery. In Proceedings of the [1st International Conference on Industrial, Enterprise, and System Engineering \(ICoIESE\), Bandung, Indonesia.](#)
15. Jhuang, A. C., Sun, J. J., Trappey, A. J., Trappey, C. V., & Govindarajan, U. H. (2017). Computer Supported Technology Function Matrix Construction for Patent Data Analytics. In Proceedings of the [2017 Computer Supported Cooperative Work in Design \(CSCWD\), Wellington, New Zealand.](#)
16. Govindarajan, U. H.*, Trappey, A. J., & Trappey, C. V. (2016). Investigating Technology and Patent Portfolio of Lens-Less Cameras in the Context of Industry 4.0. In Proceedings of the [17th Asia Pacific Industrial Engineering & Management Systems Conference \(APIEMS\), Taipei, Taiwan, China.](#) [最佳论文奖入围].

Teaching

- 10810IEEM316000 : 资料库管理系统 (Data Base Management System).
- 10730IEEM580100 : 学术写作与报告技巧 (Academic Writing and Presentation Skills).
- 10620IEEM214000 : 程式设计与应用 (Programming Design and Application).
- 10630IEEM314000 : 资料结构 (Data Structure).

学术兼职

会议编辑委员会成员:

2020年04月~至今 Associate Editor(副主编), 国际工程技术学会 (IET) Collaborative Intelligent Manufacturing Journal.

2020年 特别会议嘉宾编辑及核心委员, IEEE International Conference on Computer Supported Cooperative Work in Design (IEEE CSCWD 2020).

主持会议:

2019 年 08 月 会议主席 (Health Informatics & Applications Track), International Conference on Artificial Intelligence (ICAI 2019), Nevada, USA.

2018 年 12 月 会议主席 (Artificial Intelligence Track), University of Hong Kong, China.

主题演讲:

2019 年 11 月 Seize this opportunity: The rise of immersive technologies, 德里大学, 新德里, 印度.

特邀嘉宾讲座:

2019 年 10 月 Towards Industry 4.0 and its application use cases, National Institute of Industrial Engineering, 孟买, 印度.

2019 年 04 月 Intelligent conversational interface applications, National Institute of Industrial Engineering, 孟买, 印度.

2018 年 10 月 Identifying gaps in product continuum, 德里大学, 新德里, 印度.

2018 年 05 月 Analytics for smart future business, National Sun Yat-Sen University, 台湾, 中国.

2018 年 03 月 Industry 4.0 patent analytics, National Chiao Tung University, 台湾, 中国.

2017 年 12 月 A digital marketing outline, National Chiao Tung University, 台湾, 中国.

2016 年 08 月 Lensless camera technology and essential patents, University of Fiji, 斐济.

审稿成员:

2020 年 ~ 至今 IEEE Engineering Management Review (SCI).

2020 年 ~ 至今 IEEE Access (SCI).

2020 年 ~ 至今 Engineering Journal of the 中国工程院 (SCIE).

2019 年 ~ 至今 IEEE Transactions on Engineering Management (SCI).

2019 年 ~ 至今 Business Strategy and The Environment (SSCI).

2019 年 ~ 至今 The Journal of Enterprise Information Management (SSCI).

2017 年 ~ 至今 World Patent Information (SNIP).

2017 年 ~ 至今 IEEE Transactions on Systems, Man, and Cybernetics (SCI).

2016 年 ~ 至今 Advanced Engineering Informatics (SCI).

荣誉奖励

1. Outstanding conference proceeding paper cash award, [台湾清华大学](#), 2019 年.
2. Certificate of appreciation for internship program management, [College of Engineering 台湾清华大学](#), 2019 年.
3. IEEE best research paper award, [IEEE International Conference on Advanced Manufacturing \(ICAM\)](#), 2018 年.
4. Best paper award finalist, [International Symposium on Semiconductor Manufacturing Intelligence \(ISMI\)](#), 2018 年.
5. Presidents doctoral scholarship, [台湾清华大学](#), 2017 年 和 2018 年.
6. Best paper award finalist, [Asia Pacific Industrial Engineering & Management Systems Conference \(APIEMS\)](#), 2016 年.

7. Shri. Baljit Shastri award for overall excellence in Engineering, [Amity University](#), 2015 年.
8. Global engineering leadership scholarship, [台湾清华大学](#), 2014 年.